Empowered by Innovation

NEC

Portable Projector

NP215/NP210/NP115/NP110

High-performance, cost-effective projector offers easy, multifunction operation ideal for many applications especially for business and education



PICTURE BY DLP™ TEXAS INSTRUMENTS

Long life lamp 5000 hours

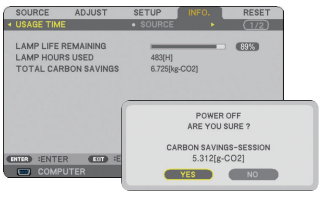
Lamp life in Eco Mode has been extended to 5000 hours from 4000 hours in the previous model (Eco Mode Off : 3500 hours).

Low power consumption in power-saving mode

Power consumption in power-saving mode is 0.49W (100-130V AC) / 0.71W (200-240V AC). These enhancements help to dramatically reduce the TCO (total cost of ownership).

Carbon meter for visualizing ecology

The projector employs the Carbon Meter indicating the reduced amount of CO_2 emissions in Eco Mode. Visually confirm the numerical value indicating the reduction in CO_2 emissions in comparison with Eco Mode Off operation.



Quick power off & Direct power off

The Quick Power Off function stops the cooling fan immediately after turning off the power to the projector, which makes it possible to remove the projector quickly. For a rapid shut down, the projector can be turned off without powering off the projector using the Direct Power Off function and a power strip equipped with a switch and breaker.

Security bar and password protection functions

By using passwords, the projector cannot be used by unauthorized persons. Furthermore, since the main unit has a security chain opening, unauthorized removal of the projector is prevented by inserting the security cable or wire commercially available into the opening.



High brightness 2500 ANSI lumens (NP215 / NP115)

High contrast ratio 2000:1

Built in 7W speaker for integrated audio solutions

Wired LAN Connectivity (NP215)

Wall Colour Correction for vivid images even without a screen

Vertical Keystone Correction +/-40 degrees

Auto power on starts projection immediately by inserting the power cord into an outlet

Front ventilation for effective heat dissipation

High altitude mode (5000ft / 1700m)

From Digital Cinema to Mobile Convenience - NEC Projector is the Best Solution

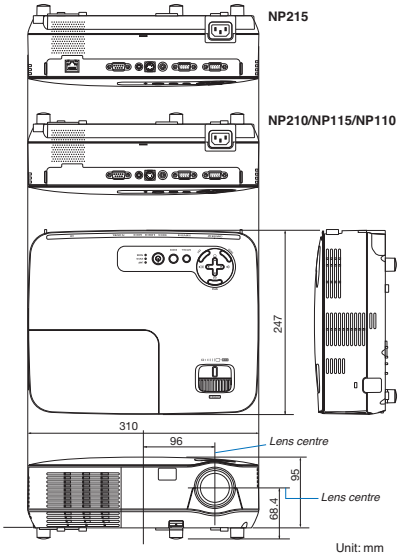
Specifications

			NP215	NP210	NP115	NP110
DLP Chip			0.55 inch DLP (Aspect Ratio 4:3)			
Resolution*1			1024 x 768 pixels		800 x 600 pixels	
Lens			Manual zoom (x 1.1)/Manual focus			
			Throw ratio 1.95-2.15:1, F2.41-2.55, f=21.8-24.0mm			
Lamp (Eco Mode On / Eco Mode Off)			160W / 180W AC			
Lamp Life*2 (Eco Mode On / Eco Mode Off)			5000H / 3500H			
Image Size (Projection Distance)			30 to 300 inch (1.18m to 13.2m)			
Colour Reproduction			16.7 million colours simultaneously, Full colours			
Light Output*3*4		Eco Mode Off	2500 ANSI lumens	2200 ANSI lumens	2500 ANSI lumens	2200 ANSI lumens
		Eco Mode On	Approx. 90% of Eco Mode Off			
Contrast Ratio (White / Black)*4			2000:1 (* Dynaminc Contrast ON)			
Maximum Resolution			UXGA (1600x1200) with Scaling technology			
Scan Rate		Horizontal	15kHz to 100kHz (RGB 24kHz or over)			
		Vertical	50Hz to 120Hz (Over 85Hz signal must be less than XGA resolution)			
Keystone Correction		Vertical	Manual Approx. ±Max 40 degrees			
Input Terminals	1 Computer Input	1 D-Sub Mini 15pin	VGA, SVGA, XGA, WXGA, SXGA, SXGA+,UXGA/480i, 480p, 576i, 576p, 720p, 1080i RGB : 0.7Vp-p/75Ω H/V Sync : 4.0Vp-p/TTL Level Positive/Negative Polarity			
		1 Stereo Mini Jack	Stereo L/R 0.5Vrms/22kΩ or over			
	1 Component Input	1 D-Sub Mini 15pin (Sharing with Computer IN)	Y : 1.0Vp-p/75Ω(with Sync) Cb/Cr (Pb/Pr) : 0.7Vp-p/75Ω DTV : 480i, 480p, 720p, 1080i/60Hz, 576i, 576p, 1080i/50Hz DVD Progressive (50/60Hz)			
		Audio Input is Sharing with Computer IN	Specification is same as Computer IN			
	1 S-Video Input	1 Mini DIN-4pin	Y : 1.0Vp-p/75Ω C : 0.286Vp-p/75Ω			
		Audio Input is Sharing with Computer IN	Specification is same as Computer IN			
	1 Video Input	1 RCA pin	NTSC/NTSC4.43/PAL/PAL-N/PAL-M/PAL-60/SECAM 1.0Vp-p/75Ω			
		Audio Input is Sharing with Computer IN	Specification is same as Computer IN			
Output Terminal	1 RGB Output	1 D-Sub Mini 15pin	Output Computer Signal			
LAN Port		1 RJ-45	100BASE-TX/10BASE-T	–		
Control Terminal	PC Control	1 D-sub 9pin	RS-232C			
Built-In Speaker			7W Monaural			
Quietness (Eco Mode On / Eco Mode Off)			31dB / 34dB			
Environment		Operational Temperatures	5˚C to 40˚C ([ECO MODE] is set automatically to [ON] at 35˚C to 40˚C), 20% to 80% Humidity (Non-Condensing)			
		Storage Temperatures	-10˚C to 50˚C, 20% to 80% Humidity (Non-Condensing)			
Power Requirement			100 to 240V AC, 50Hz/60Hz			
Input Current		100 - 130V	2.6A / 1.2A			
		200 - 240V	1.4A (NP215+/NP210+/NP115+/NP110+)			
Power Consumption	Eco Mode Off	100 - 130V	242W			
		200 - 240V	233W			
	Eco Mode On	100 - 130V	217W			
		200 - 240V	210W			
	Standby Mode	100 - 130V	4W			
		200 - 240V	5W			
	Power-saving Mode	100 - 130V	0.49W			
		200 - 240V	0.71W			
Heat Dissipation		100 - 130V	MAX : 825 BTU			
		200 - 240V	MAX : 795 BTU			
Dimensions (WxHxD)			310mm x 95mm x 247mm (Not Including Protrusions)			
Weight			2.5kg			
Accessories			Remote control (with battery), Signal cable (MiniD15-MiniD15)(1.8m), Power cable, User's manual(CD-ROM), Quick Setup guide, Lens cap			
Regulations			UL/C-UL Approved (UL 60950-1, CSA 60950-1) Meets DOC Canada Class B requirements Meets FCC Class B requirements Meets AS/NZS CISPR.22 Class B Meets EMC Directive (EN55022, EN55024, EN61000-3-2, EN61000-3-3) Meets Low Voltage Directive (EN60950-1, TÜV GS Approved)			

*1 : Effective pixels are more than 99.99%.
*2 : Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half, it dose not refer to the warranty period for the lamp.
*3 : This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode, the light output value may drop.
*4 : Compliance with ISO21118-2005

All specifications are subject to change without notice.

Dimensions



Remote Control

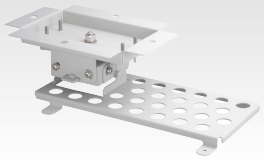


Options

Replacement lamp
NP13LP



Ceiling mount kit
NP11CM



Terminal Panel

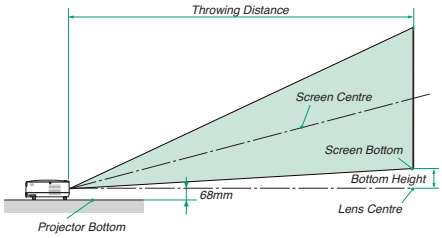
NP215



NP110/NP115/NP210



Throwing Distance and Image Size



NP215/NP210/NP115/NP110

Screen Size (inch)	Throwing distance(m)		Bottom Height(cm)
	Wide	Tele	
30 (0.61x0.46)	1.18	1.32	6.9
40 (0.81x0.61)	1.57	1.76	9.1
60 (1.22x0.91)	2.36	2.64	13.7
80 (1.63x1.22)	3.15	3.52	18.3
100 (2.03x1.52)	3.93	4.40	22.8
120 (2.44x1.83)	4.72	5.28	27.4
150 (3.05x2.29)	5.90	6.60	34.3
180 (3.66x2.74)	7.08	7.92	41.1
200 (4.06x3.05)	7.87	8.80	45.7
240 (4.88x3.66)	9.44	10.56	54.8
300 (6.10x4.57)	11.80	13.20	68.5

DLP and the DLP logo are registered trademark or trademark of Texas Instruments.
All other trademarks are the property of their respective owners.
The images in this brochure are samples.
This brochure uses recycled paper.

WDPJ-0909-231RR

for more information
www.nec-display.com/ap/